ABSTRACT OF THE DISCLOSURE

HYBRID METHOD FOR EVENT PREDICTION AND SYSTEM CONTROL

A hybrid method of predicting the occurrence of future critical events in a computer cluster having a series of nodes records system performance parameters and the occurrence of past critical events. A data filter filters the logged to data to eliminate redundancies and decrease the data storage requirements of the system. Time-series models and rule based classification schemes are used to associate various system parameters with the past occurrence of critical events and predict the occurrence of future critical events. Ongoing processing jobs are migrated to nodes for which no critical events are predicted and future jobs are routed to more robust nodes.

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